

1-02
"Made available under NASA sponsorship
in the interest of early and wide dis-
semination of Earth Resources Survey
Program Information and without liability
for any use made thereof."

E7.3 1 0.5 0 0

CR-131530

INVESTIGATION OF ERTS-I IMAGES FOR APPLICATION TO THEMATIC MAPPING

Doyle Smith
Topographic Division
U.S. Geological Survey
Washington, D.C. 20244

(E73-10500) INVESTIGATION OF ERTS-1
IMAGES FOR APPLICATION TO THEMATIC
MAPPING Progress Report, 1 Jan. -
28 Feb. 1973 (Geological Survey) 3 p HC
\$3.00

N73-21336

Unclas
CSCL 08B G3/13 00500

March 1, 1973

Type I Progress Report for Period January 1, 1973 - February 28, 1973

Prepared for: Goddard Space Flight Center
Greenbelt, Maryland 20771

Publication authorized by the Director, U.S. Geological Survey

Type I Progress Report

ERTS-I

- a. Title: Investigation of ERTS-I Images for Application to Thematic Mapping

ERTS-I Proposal No.: SR 116

- b. GSFC ID No. of P.I.: IN 385

- c. Problems:

Research related to cartographic application is still hampered by lack of RBV images. Theme extraction techniques relative to MSS imagery are being explored.

- d. Accomplishments:

Three MSS scenes, including one of the Washington-Baltimore corridors, were analyzed; and the four basic gross themes were extracted from the 70 mm images. The same themes are now being extracted from 1:1,000,000 scale enlargements. These will be used for quality comparisons.

- e. Significant scientific results:

Theme extractions from high quality 1:1,000,000-scale enlargements carry an encouraging amount of fine detail.

- f. Published articles and reports:

None

- g. Recommended changes in operations:

Turn on RBV cameras

- h. Changes in standing order forms: N/A

- i. ERTS Image descriptive forms: N/A
- j. Changes in Data Request forms: None
- k. DCP status: N/A